Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 30/05/2020

Lab ID	:	**CP-2020-07-13-22**
Customer	:	Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14
Agency	:	M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010
Customer's Reference	:	EE/DD/W.O/01/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	25-05-20
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	30/05/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	23/05/2020	30/05/2020	151.50 X 149.03 X 149.04	22578	8.734	426.5	18.9	18.6
2	Drain Side Wall Concrete	M20	23/05/2020	30/05/2020	151.28 X 149.50 X 151.92	22616	8.351	410.2	18.1	
3	Drain Side Wall Concrete	M20	23/05/2020	30/05/2020	150.56 X 149.57 X 150.97	22520	8.072	424.0	18.8	

Note:

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Technical Manager

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2020-07-13-22** **Date: 20/06/2020**
Customer	:	Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14
Agency	:	M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010
Customer's Reference	:	EE/DD/W.O/01/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	25-05-20
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	20/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	23/05/2020	20/06/2020	151.01 X 149.27 X 149.95	22542	8.343	521.5	23.1	22.8
2	Drain Side Wall Concrete	M20	23/05/2020	20/06/2020	151.75 X 150.58 X 149.13	22851	8.869	507.2	22.2	
3	Drain Side Wall Concrete	M20	23/05/2020	20/06/2020	149.34 X 150.92 X 149.34	22539	8.756	523.3	23.2	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 30/05/2020

Lab ID	:	**CP-2020-07-13-22**
Customer	:	Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14
Agency	:	M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010
Customer's Reference	:	EE/DD/W.O/01/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	25-05-20
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	30/05/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	23/05/2020	30/05/2020	150.00 X 151.92 X 150.66	22788	8.734	430.3	18.9	18.9
2	Drain Side Wall Concrete	M20	23/05/2020	30/05/2020	151.67 X 149.39 X 149.41	22657	8.351	424.6	18.7	
3	Drain Side Wall Concrete	M20	23/05/2020	30/05/2020	151.66 X 150.45 X 150.37	22817	8.072	433.3	19.0	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2020-07-13-22 **Date: 20/06/2020**
Customer	:	Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14
Agency	:	M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010
Customer's Reference	:	EE/DD/W.O/01/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	25-05-20
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	20/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	23/05/2020	20/06/2020	150.21 X 151.43 X 150.44	22746	8.343	532.3	23.4	23.0
2	Drain Side Wall Concrete	M20	23/05/2020	20/06/2020	149.99 X 151.16 X 151.58	22672	8.869	506.1	22.3	
3	Drain Side Wall Concrete	M20	23/05/2020	20/06/2020	149.68 X 151.87 X 150.26	22731	8.756	531.8	23.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-07-13-22** **Date: 30/05/2020**

Customer : Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.

Address : T.Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14

Agency : M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010

Customer's Reference : EE/DD/W.O/01/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 25-05-20

Customer ID : Drain Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 30/05/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	23/05/2020	30/05/2020	151.70 X 150.82 X 149.45	22879	8.734	416.9	18.2	18.4
2	Drain Side Wall Concrete	M20	23/05/2020	30/05/2020	149.32 X 149.57 X 149.16	22334	8.351	421.3	18.9	
3	Drain Side Wall Concrete	M20	23/05/2020	30/05/2020	151.08 X 149.40 X 150.72	22571	8.072	410.2	18.2	

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID	:	**CP-2020-07-13-22**
Customer	:	Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore. **Date: 20/06/2020**
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14
Agency	:	M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010
Customer's Reference	:	EE/DD/W.O/01/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	25-05-20
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	20/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	23/05/2020	20/06/2020	150.46 X 151.16 X 150.58	22743	**8.343**	532.8	23.4	23.4
2	Drain Side Wall Concrete	M20	23/05/2020	20/06/2020	151.45 X 149.89 X 151.69	22701	**8.869**	521.0	23.0	
3	Drain Side Wall Concrete	M20	23/05/2020	20/06/2020	149.58 X 150.49 X 151.32	22511	**8.756**	536.2	23.8	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-07-13-22 **Date: 05/06/2020**

Customer : Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.

Address : T.Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14

Agency : M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010

Customer's Reference : EE/DD/W.O/01/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 01-06-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 05/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	29/05/2020	05/06/2020	150.29 X 151.09 X 151.15	22708	8.454	579.1	25.5	25.7
2	Cement Concrete Pavement	M30	29/05/2020	05/06/2020	151.06 X 150.74 X 149.77	22771	8.774	608.4	26.7	
3	Cement Concrete Pavement	M30	29/05/2020	05/06/2020	149.45 X 149.13 X 149.83	22288	8.702	555.9	24.9	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2020-07-13-22** **Date: 26/06/2020**
Customer	:	Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14
Agency	:	M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010
Customer's Reference	:	EE/DD/W.O/01/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-06-20
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	26/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	29/05/2020	26/06/2020	151.17 X 150.37 X 150.73	22732	8.273	755.5	33.2	33.0
2	Cement Concrete Pavement	M30	29/05/2020	26/06/2020	149.90 X 151.11 X 150.42	22652	8.462	726.2	32.1	
3	Cement Concrete Pavement	M30	29/05/2020	26/06/2020	151.08 X 151.30 X 149.64	22859	8.992	771.3	33.7	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-07-13-22** **Date: 05/06/2020**

Customer : Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.

Address : T.Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14

Agency : M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010

Customer's Reference : EE/DD/W.O/01/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 01-06-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 05/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	29/05/2020	05/06/2020	150.37 X 151.32 X 151.79	22753	8.454	572.9	25.2	25.3
2	Cement Concrete Pavement	M30	29/05/2020	05/06/2020	150.42 X 150.69 X 151.57	22666	8.774	601.7	26.5	
3	Cement Concrete Pavement	M30	29/05/2020	05/06/2020	150.12 X 151.62 X 149.46	22760	8.702	553.4	24.3	

Note:

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-07-13-22

Date: 26/06/2020

Customer : Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.

Address : T.Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14

Agency : M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010

Customer's Reference : EE/DD/W.O/01/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 01-06-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 26/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	29/05/2020	26/06/2020	151.44 X 149.56 X 149.25	22648	8.273	755.3	33.3	32.9
2	Cement Concrete Pavement	M30	29/05/2020	26/06/2020	149.62 X 149.08 X 150.06	22306	8.462	718.0	32.2	
3	Cement Concrete Pavement	M30	29/05/2020	26/06/2020	149.80 X 151.51 X 151.87	22696	8.992	751.0	33.1	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-07-13-22 **Date: 05/06/2020**

Customer : Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.

Address : T.Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14

Agency : M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010

Customer's Reference : EE/DD/W.O/01/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 01-06-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 05/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	29/05/2020	05/06/2020	150.43 X 150.69 X 149.43	22668	8.454	586.0	25.9	25.5
2	Cement Concrete Pavement	M30	29/05/2020	05/06/2020	150.60 X 151.48 X 151.15	22813	8.774	600.7	26.3	
3	Cement Concrete Pavement	M30	29/05/2020	05/06/2020	150.65 X 149.60 X 150.15	22537	8.702	548.0	24.3	

Note:

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-07-13-22 **Date: 26/06/2020**

Customer : Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.

Address : T.Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14

Agency : M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010

Customer's Reference : EE/DD/W.O/01/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 01-06-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 26/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	29/05/2020	26/06/2020	151.96 X 149.66 X 151.99	22742	8.273	763.9	33.6	33.4
2	Cement Concrete Pavement	M30	29/05/2020	26/06/2020	151.97 X 150.23 X 150.33	22830	8.462	747.7	32.7	
3	Cement Concrete Pavement	M30	29/05/2020	26/06/2020	149.96 X 151.87 X 151.07	22775	8.992	771.9	33.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2020-07-13-22 **Date: 06/06/2020**

Customer : Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.

Address : T.Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14

Agency : M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010

Customer's Reference : EE/DD/W.O/01/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 01-06-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 06/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	30/05/2020	06/06/2020	150.37 X 150.59 X 149.71	22643	8.454	572.6	25.3	25.6
2	Cement Concrete Pavement	M30	30/05/2020	06/06/2020	151.22 X 151.78 X 151.55	22953	8.774	611.2	26.6	
3	Cement Concrete Pavement	M30	30/05/2020	06/06/2020	151.88 X 149.59 X 151.49	22719	8.702	563.8	24.8	

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 27/06/2020

Lab ID	:	**CP-2020-07-13-22**
Customer	:	Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14
Agency	:	M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010
Customer's Reference	:	EE/DD/W.O/01/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-06-20
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	27/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	30/05/2020	27/06/2020	150.45 X 149.52 X 149.02	22496	8.273	746.2	33.2	33.0
2	Cement Concrete Pavement	M30	30/05/2020	27/06/2020	149.90 X 151.85 X 151.38	22762	8.462	740.4	32.5	
3	Cement Concrete Pavement	M30	30/05/2020	27/06/2020	151.61 X 149.52 X 149.93	22670	8.992	758.3	33.5	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 06/06/2020

Lab ID	:	**CP-2020-07-13-22**
Customer	:	Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14
Agency	:	M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010
Customer's Reference	:	EE/DD/W.O/01/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-06-20
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	06/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	30/05/2020	06/06/2020	149.45 X 150.02 X 151.61	22421	8.454	564.2	25.2	25.1
2	Cement Concrete Pavement	M30	30/05/2020	06/06/2020	151.66 X 149.86 X 151.14	22728	8.774	593.5	26.1	
3	Cement Concrete Pavement	M30	30/05/2020	06/06/2020	149.23 X 150.28 X 150.01	22425	8.702	541.7	24.2	

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 27/06/2020

Lab ID	:	CP-2020-07-13-22
Customer	:	Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14
Agency	:	M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010
Customer's Reference	:	EE/DD/W.O/01/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-06-20
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	27/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	30/05/2020	27/06/2020	150.93 X 149.80 X 150.61	22609	8.273	756.9	33.5	33.3
2	Cement Concrete Pavement	M30	30/05/2020	27/06/2020	151.31 X 151.89 X 151.47	22983	8.462	745.2	32.4	
3	Cement Concrete Pavement	M30	30/05/2020	27/06/2020	149.83 X 149.85 X 151.66	22452	8.992	760.4	33.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-07-13-22**

Date: 06/06/2020

Customer : Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.

Address : T.Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14

Agency : M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010

Customer's Reference : EE/DD/W.O/01/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 01-06-20

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 06/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	30/05/2020	06/06/2020	149.32 X 151.86 X 149.28	22676	8.454	579.3	25.5	25.7
2	Cement Concrete Pavement	M30	30/05/2020	06/06/2020	151.35 X 150.39 X 150.06	22761	8.774	605.3	26.6	
3	Cement Concrete Pavement	M30	30/05/2020	06/06/2020	150.00 X 151.27 X 151.71	22690	8.702	565.4	24.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 27/06/2020

Lab ID	:	CP-2020-07-13-22
Customer	:	Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14
Agency	:	M/S Techical Manger (West), Karnataka Rural Infrastructure Development Limited, No.280, 59th Cross 17th C Maain Road , 3rd Y Block Rajaji Nagara, Bangalore-560010
Customer's Reference	:	EE/DD/W.O/01/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-06-20
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	27/06/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	30/05/2020	27/06/2020	150.17 X 149.44 X 149.83	22442	8.273	758.8	33.8	33.4
2	Cement Concrete Pavement	M30	30/05/2020	27/06/2020	151.15 X 151.12 X 149.94	22841	8.462	750.7	32.9	
3	Cement Concrete Pavement	M30	30/05/2020	27/06/2020	150.09 X 149.59 X 149.40	22452	8.992	755.1	33.6	

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QC ABSTRACT

NAME OF WORK: Improvements of CC Roads, Drains and Other Works at Vijayalakshmi Layout in Ward No.14

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
6	Precast (100mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
7	Precast (250mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
8	Precast (300mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
9	RCC(M20)	Compressive Strength(7days and 28days)	10 set /300-350 cum	307.68	20	20
10	Cement Concrete Pavemet (M30)	Compressive Strength(7days and 28days)	6 set /100-150 cum	121.14	12	12

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